USER MANUAL

NAME: ***INTELLIGENT HOME ALARM CAMERA***

MODEL: ***KIVOS KVA01***

ELMIC

PLEASE READ THE INSTRUCTIONS BEFORE USING THE UNIT. SAVE IT FOR USE IN THE FUTURE.

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Enjoy Intelligent Life — “KIVOS”

The brand "KIVOS” is committed to equip modern lifestyle with high-tech. Its intelligent video alarm, a kind of high-tech smart home products with multi-function of infrared detection for human body, night vision, video, alarm, and real-time view, uses the latest energy saving technology and can become the first choice for you to enjoy high-quality intelligent life for its special connection method and the stylish design.

This product is easy to install, simple to use. Not only is it an alarm, a VCR, which resolve the problem of the traditional alarm to play a deterrent role but provide no evidence, and help us to improve home security. At the same time, its independent automatic detection and recording function allows you to record everything in the life bit by bit in the undisturbed cases.

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Introduction

Thank you for choosing this intelligent monitoring doorbell. Please read this Manual carefully to fully understand its usage, perfect functions and simple operation.
This product not only provides high-decibel alarm function but also provides automatic detection, video, night vision to meet your requirements of monitoring comprehensively home security.
The Company reserves the right to modify this Manual from time to time without prior notice.
Before using this product, please read these Attentions carefully to ensure safe and proper operation of this product.

Safety Warning & Attentions

1. Attention

- Do not place this product on an uneven or unstable table-board to prevent failure or damage caused by falling.
- Only the battery and charger designated by the Company can be used on this product. Application of other products may lead to leakage, overheating, blowout and fire of the battery.
- Do not crash, vibrate, or throw intelligent video alarms in order to avoid failure and fire.
- Do not use this product in a place with flammable and explosive gas; otherwise, product failure and fire may be caused.
- Do not place this product in a place with high temperature, high humidity or large amount of dust; otherwise, product failure may be caused.

2. Attention for operation of this product

- Do not apply force on LCD screen or knock other objects with it, otherwise, breakage and damage of LCD panel and seepage of crystalline liquid will be caused. If the crystalline liquid enters your eyes, there will be danger of ablepsia. Wash your eyes (be sure not rub your eyes) and go to see the doctor immediately.
- Do not dismantle or remodel this product, otherwise, damage, creepage and electrical fault may be caused to this product.
- Do not press the keys with a pin, stump of pen/pencil and other keen-edged objects; otherwise, damage or mis-operation will be caused.
- Place tiny metal objects such as drawing pin at a place far away from the speaker. As the speaker has magnetic property while working, it will attract these tiny metal objects, which may lead to personal injuries or damage of the speaker.
- Do not press the terminal of lens at strong light source, such as the sun; otherwise, damage of the image sensor may be caused.
- Do not press the terminal of lens with much force; otherwise, personal injuriy or damage of the device may be caused.

3. Attention for operation of charger

- You can select the power adapter.
- Please use the appropriate labeled (100 ~ 240V) AC; otherwise, the use of other voltage will cause leakage, fire and damage to the phone and charger.
- It is forbidden to short circuit the charge, otherwise, electrical shock,smoke and damage of the charger will be caused.
- Do not use the adapter at the time when the power cord is damaged, otherwise, fire and electrical shock will be caused.
- Clear away the dust accumulated on power outlet ASAP.
- Do not place a vessel used to retain water beside the charger to prevent overheating, creepage and failure of charger caused by spilling water.
- If the charger is in contact with water or other liquids, disconnect the power supply immediately to prevent overheating, fire electrical shock an dfailure of the charger.
- Do not dismantle or remodel this product, otherwise, damage, creepage and electrical fault may because to this product.
- Please do not use an adapter in high-humidity place such as in the bathroom and so on, otherwise it will cause an electric shock, fire and damage to the charger.
- Please do not touch adapters, wires and a power socket with hands in wet otherwise it will result in electric shock.

- Do not place heavy objects on the electrical line or refit the electrical line, otherwise, electric shock and fire will be caused.
- Before cleaning and maintenance, first pull the plug off the power outlet.
- To seize adapter when pull out the plug; if pull the power cord it may damage the cord causing electric shock and fire.

4. Operation and maintenance

- Please keep this product dry, as rainwater, moisture, humidity and liquids or moisture content may contain mineral matters that erode the circuit.
- Do not keep this product in any place with high temperature. As high temperature may shorten the lifespan of electronic device, damage the battery and cause deformation or melting of certain plastic parts and components.
- Do not keep this product in any place with low temperature. As when being moved from a place with low temperature to a place with normal temperature, it may generate humidity inside, which may cause damage of circuit board.
- Do not attempt to dismantle this product. As improper handling by nonprofessional personnel may cause damage of the device.
- Do not toss, knock or shake this product, as tough operation mode may damage the motherboard inside the device.
- If this product is made wet by mistake, shut it down, remove the battery, and restart the product after confirming it complete dry after 24 hours.
- Do not have the metal parts (specially configured interfaces of charger and data line excluded) in contact with charger interface to avoid short circuit.
- Use clean and dry soft cloth to clean the lens, infrared lamp and light sensor.

Warning: improper operation will void warranty!

Product Overview - Model: KVA01 *Intelligent Home Alarm Camera*

1. Characteristics and application:

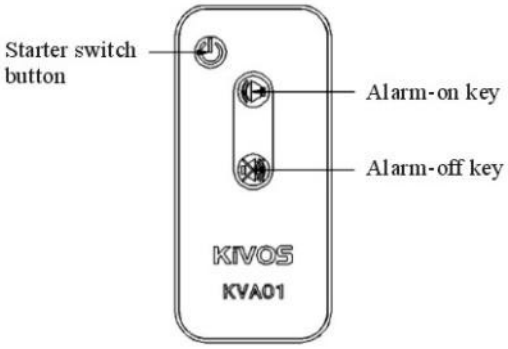
1. Stylish appearance - European design, full of the sense of modern technology, suitable for residential apartment / suite / dormitory / warehouse entrance and other places
2. Wide-angle detection - detection with high-tech infrared wide-angle and warning area covers 110°.
3. Long-range detection - range of infrared detection of 3-10 m
4. High-decibel deterrence volume - 100dB
5. Color LCD screen with high-resolution --- the mainstream true color digital 2.4-inch TFT LCD screen with clear image.
6. High-resolution digital camera – adopting 300,000 pixels digital camera, image focusing vivid and clear.
7. Infrared Night-Vision – under the environment of insufficient outdoor lighting, the device automatically activates the infrared Night-Vision, the indoor host machine can clearly display or record the outdoor scenes.
8. Support expansion of TF storage - expandable highly up to 32G, photo / video stored on the T-flash storage card
9. Automatic cycle and storage capabilities - do not have to worry that the full card can not work in real-time record.
10. Be able to use when get - the machine has active connection without disassembly and has functions of removing at any time for viewing, play, download or delete the photos and videos.
11. Ultra-long standby - adopt intelligent power-saving technology to make the battery time in the state of standby up to more than six months.
12. Charge-and-record supportable – without the need to worry that the operation will be affected due to depletion of electrical quantity
13. USB data charging wire – charge, downloading or uploading audio-visual materials can be realized through the USB interface.
14. Operation of remote control - setting / release by the remote control
15. Dual power supply system, generally three AA / on the 5th battery or (AC100 ~ 240V, DC5V) power adapter can help you get away from the trouble of replacing the battery.
16. Easy to install - wireless installation can be arbitrarily placed on the plane or fixed through special universal bracket.
17. Universal bracket - in any direction adjustment

2. Performance parameters:

Serial	Specifications	Technical parameters
1	Power	3 * 5AA battery / 5V adapter
2	Camera	30W OV7725 low-light wide-angle
3	Display device	LCD 2.4 "480 * 320 resolution
4	Infrared detection for human body	Dual element pyroelectric sensors with detect distance of 8 ~ 10M
5	Storage devices	T-Flash card (support up to 32G)
6	Video	VGA
7	Microphone	Support
8	Built-in stereo	Support
9	Infrared night vision	Infrared light
10	Video output	AV-OUT
11	Video Format	PAL/NTSC
12	Current frequency	50HZ/60HZ
13	USB interface	USB 2.0
14	Power interface	5V
15	Remote control	Infrared remote control
16	Language	Multi-lingual
17	Saving equipment	TF (maximum support 32G)
18	Standby current	<1mA
19	Standby time	>2500 hours
20	ESD protection	>8KV

Product diagram

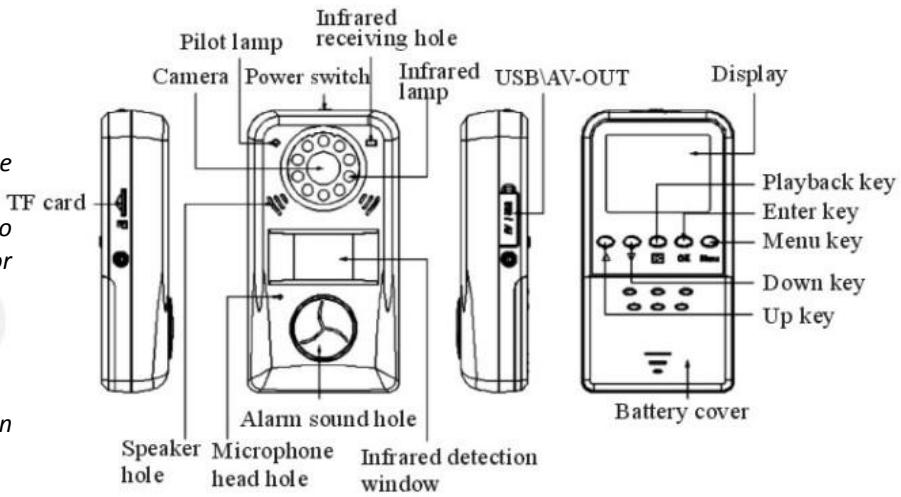
Remote controller



A Remote control button

1.Start button: start video and alarm system
2.Elimination button: cancel the alarm function
3.Alarm button: restore the alarm function

Monitor unit



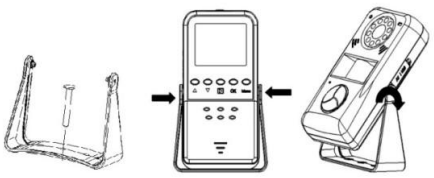
B indoor host machine keystrokes (7pcs)

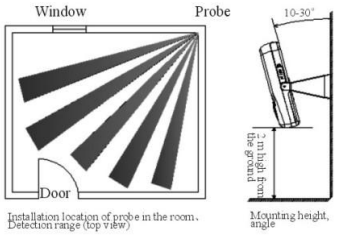
1.Boot (on / off): turn on/ off the host power
2.Up button: press the button of Menu to operate the menu items to make a choice or adjustment.
3.Down button: press the button of Menu to operate the menu items to make a choice or adjustment.
4.Preview : enter the picture preview
5.MENU: Press once to enter, and then exit.
7.Reset
Press this button the machine reset (this button used in the machine freezes)

Peripheral device

Lens (1pc):	30W CCD or CMOS wide-angle, low-light
The power indicator (1pc):	on boot up standby makes one flash in every five seconds. (Flashing in low power).
Infrared light (8pcs):	in nighttime provides infrared rays.
Light sensor:	to determine the intensity of light to decide when turn on the infrared light
Infrared detector (1pc):	detection range is 8 to 10 meters, with angle of 110°.
Buzzer:	to provide 100dB high-decibel siren
Built-in Speaker:	can record voice during playback.
TF Card:	with maximum support of 32GB
AV-OUT interface:	external TV video output
USB2.0 interface:	can be connected with computer to download pictures. (① download ② an external power supply)
Battery:	3 AA batteries (not worthy of this machine battery), and recommend the use of high capacity alkaline battery
Display:	screen- 2.4 inch TFT, 480 * 360 high-definition display

Installation Guide





Intelligent video alarm is made of “alarm host”, “universal bracket ", and "remote control”. It can be placed directly on stable surface such as desktop, bookcase, and so on, or hanged in the wall with screws, then to adjust the appropriate angle so that the infrared detector is in the monitoring range.

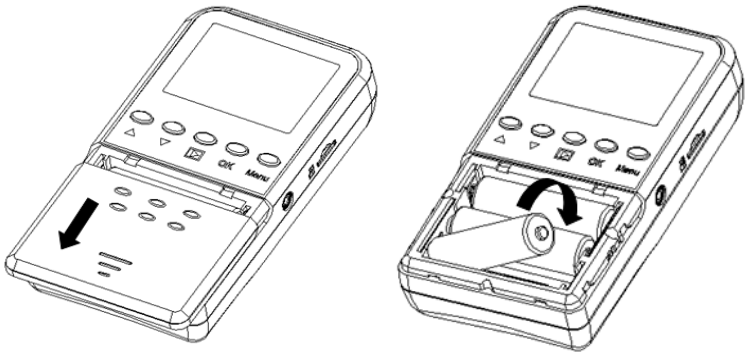
Detection range of infrared probe (Pictured)
Door ;Window;Probe
Installation location of probe in the room
Detection range (top view)
Mounting height, angle
2 m high from the ground ;10-30°

Attentions during Installation

1. Photo sensor of alarm host does not be overshadowed by other objects or blocked.
2. During installation probe should avoid the direct sun and car lights
3. Recommend mounting height of 1.5 to 3 m high from ground to prevent misinformation by small animals
4. When video alarm in the body makes lateral movement relative to lenses, the sensitivity of infrared detection is the highest, while vertical movement is poor. So during installation it should be careful to pay attention to the angle and height of the horizontal plane of the detector, and it has a great impact on the protected area.
5. During installation it should be avoided to be near the cold and heat source such as hot and cold vents, air conditioning vent, heater, air cooler and so on, and to stand directly with door
6. The scope of protection of infrared video alarm should be straightly seen without obstacles
7. Infrared video alarm should keep an angle of 10-30°with the wall, in this time with the farthest detection rang. During the actual installation, to adjust the installation angle should be according to situation.

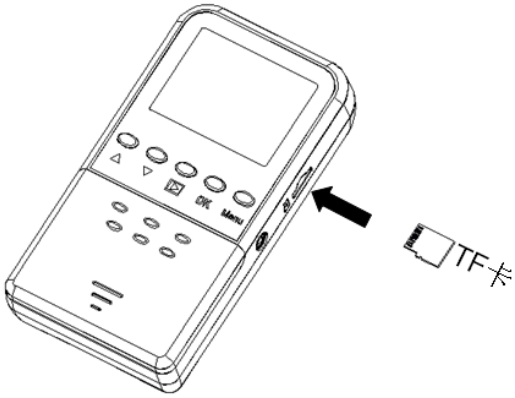
Battery Installation

1. Parallel move the battery cover downward, and take it off.
2. According to the icon, insert alkaline batteries along the battery compartment and flat; pay attention to the battery positive and negative poles.
3. Fit on the battery cover.



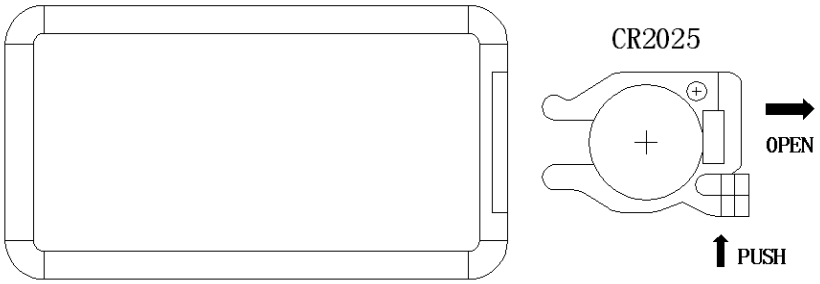
Installation of storage card

1. Insert the storage card in the way as shown in the diagram until you hear a clicking sound
2. Improper insertion of storage card may cause system failure, please determine the inserting direction of the card
3. Take out of the storage card – push in the storage card until you hear a clicking sound, then the storage card will pop up



Introduction of battery installation of remote control

1. Remove battery cover straightly to the bottom, and then get it.
2. According to the icon, insert watch batteries along the battery compartment and flat; pay attention to the battery positive and negative poles.
3. Install the battery cover



Storage card

This product use T-flash card as external storage device, when there is no storage card in the product, the photo-taking and video-recording functions are unrealizable.
If a self-provided storage card is used:
Up to 32G storage card is supportable.

1. This machine has an automatic cycle and storage capabilities. When the card is full, it will overshadow the original file. Then the number of new file will continue to put in.
2. The serial number of TF card setted by this machine has 4 digits, maximum of 9999. When the follow-up file can not be numbered and writted with ID, it should format. The new number will become from 0001. Before formatting, please copy card content to a computer or other devices.
3. The machine can be connected to the computer via a USB cable to output T card or to remove the T card through the reader into the computer.

Note: Do not twist, squeeze, or crash the memory card, otherwise they may damage the image data recorded on the card

Basic functions and use

1. Function of body detection

The alarm adopts the integration of advanced design techniques of special processing chip of infrared sensor, the PIR dual element pyroelectric infrared sensor, Fresnel lens and advanced digital remote sensing technology, micro-power ASIC and automatic temperature compensation, control of the microprocessor decoder, and so on. Detection of infrared heat of human radiation initiated the function of probe of audible alarm and video in the site.
Note: Fresnel lens of the probe should be kept clean

2. Night-Vision

With Night-vision, even under the environment of extremely poor visibility, the system can automatically activate the infrared lamp and take photo or record video of the objects or people within the distance of 10 meter; it displays black and white effect under the environment of completely dark.
Note: keep the mirror surface of infrared lamp and optical sensor clean.

3. Video and alarm

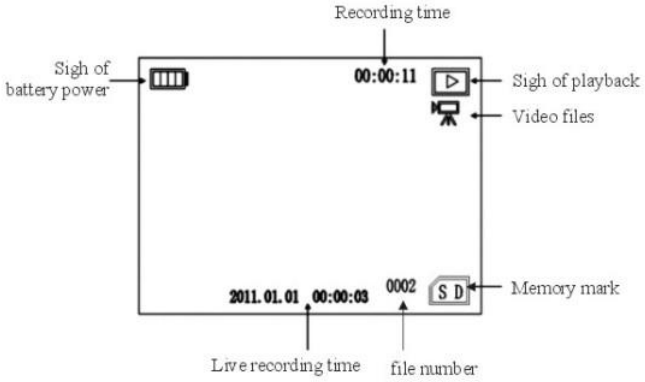
Turn on the power, green indicator light of power lights once, then enters the state of standby.
After buttoning “start” of remote control, green indicator light of host lights once, and video and alarm system starts to work. Green indicator light lights in every 5 seconds indicates the normal self-test.
There are 20 seconds for delay in standby after start-up. Within 20 seconds, the alarm signal is not detected, so you must leave of the detection region.
After 20 seconds if someone enters the detection area of annunciator which will have 5 seconds for delay to facilitate the identification for the master. But if the identity of remote control signal is not received after 5 seconds, there will be earpiercing alarm sounds giving 30seconds and meantime begin to video, and deposit TF card. It will alarm and video and this process would repeat if staff went into the detection region after 5 seconds of the end of the alarm sound.
You can use the remote control to button the “start-up and close-up”, and then the green light even lights twice in succession, the system is shut down, and the video and alarm end up.

4. Only video, not alarm

Turn on the power switch, green indicator light of power lights once, then enters the state of standby.
After buttoning “start-up” of remote control, green indicator light of host lights once, and video and alarm system starts to work. Green indicator light lights in every 5 seconds indicates the normal self-test.
After buttoning “elimination” of remote control, that green indicator light of host lights once indicates the received signal and cancelled alarm function.
If someone enters the detection area of infrared warning devices which will have 5 seconds for delay to facilitate the identification for the master. But if the identity of remote control signal is not received after 5 seconds, there would video for 30seconds and storage in TF card. After video for 5 seconds if staff touched remote control of infrared warning devices it would video again and the process would repeat.
After buttoning “alarm” of remote control, that the host of green indicator light brighter indicates that the signal has been received, and alarm function has been restored.
You can use the remote control to button the “start-up and close-up”, and then the green light even brighter twice in succession, the system is shut down, and the video and alarm end up.

5. *Photo preview*

Long press the button of "▶ boot playback" directly into the preview, and the first display is the latest photo shoot.
Press the buttons of "▲ ▼" to view the photos before and after
Press button of "OK" to play video files
The relevant information of photos is displayed on the screen.
Press the buttons of “boot playback ", to exit and shut down

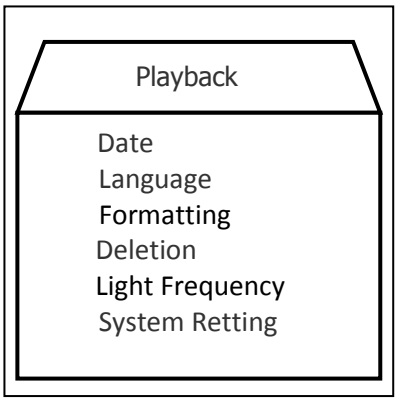


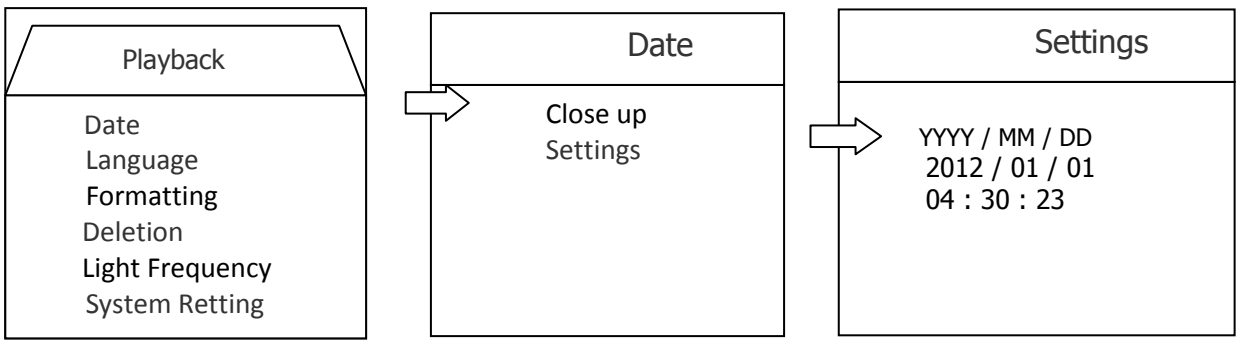
6. *Main menu*

In the states of preview and standby, press the menu button to enter the main menu, press again to exit
Press buttons of "▲ ▼" to select project
Press button of "OK" to set

7. *Date*

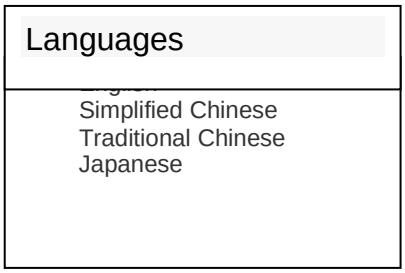
Enter from the main menu into "date" menu, use the arrow keys to selectively close up or set. Choose to close up, do not change and back to the main menu.
Select settings includes settings of year, month, day, hour, and minute; the three types of date format which is selected through the buttons of "▲ ▼" include YYYY / MM / DDDD / MM / YYYY, MM / DD / YYYY
When press "MENU" the cursor moves to the right, and select different parts of the adjustment
With the buttons of "▲ ▼" to modify the settings of corresponding year, month, day, hour, and minute;
After editing, press "OK" again to confirm that the system has saved time settings.
Note: when reinstall the battery, you must re-input the time.





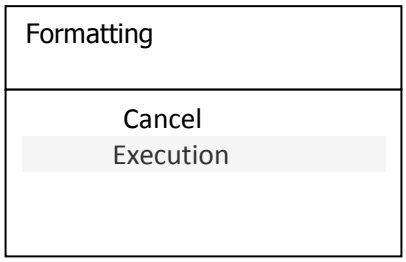
8. *Language settings*

User can select: 9 languages
Press buttons of "▲ ▼" to select project
Press button of "OK" to set



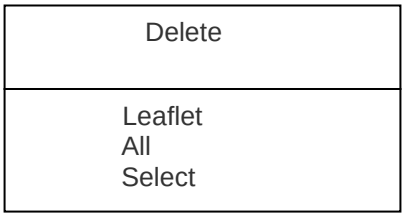
9. *Formatting (card valid)*

Enter from main menu into menu of “formatted storage card”,
Press buttons of "▲ ▼" to select "Cancel" or "Execution", press "OK" to confirm
To select button of "Cancel" does not carried out any operation
To select button of "Execution" means to format storage card
Note: To select formatting means that all the data in the storage card will permanently lost, please carefully choose. When the screen shows "file error" or machine is not working properly, to format the storage card may be able to solve the problem. Before formatting, please copy its content to the computer or other devices.



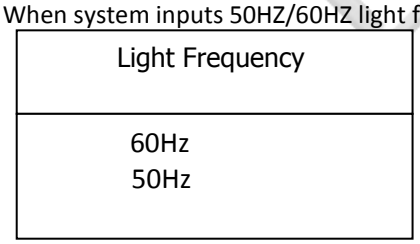
10. *Deletion (card valid)*

Press main menu to select Deletion
Press buttons of "▲ ▼" to select "Single / All / Select", press "OK" to confirm
Select button of "Single", delete the currently displayed picture
Select button of “All ", delete all pictures in the TF card
Select button of "select", the screen in the sane time displays 9 pictures; when select “up and down”, press "OK" to confirm.



11. *Light Frequency*

When system inputs 50HZ/60HZ light frequency, there will be different standards in different nations.



12. *System Resetting*

1. Enter from main menu into system resetting to restore system parameters to the factory settings
2. Press buttons of "▲ ▼" to select "Cancel" or "Execution"
3. Press "OK" to select button of "Cancel", then directly exit to previous menu
4. Press "OK" to select button of "Execution", then restore to factory default settings and exit to previous menu

Battery & replacement

1. Recommend that you should regularly check whether infrared warning device is working properly, to avoid failing to alarm
2. That green indicator light flash on boot up indicates the battery power is low, then you should change the batteries
3. When on boot up the green indicator light becomes dark, alarm sound becomes smaller and infrared warning device gives high false rate of alarm, generally battery voltage is shortage, then you should change the batteries in time.
4. Remote control is out of operation, generally because battery voltage of remote control is shortage. Please replace the remote control batteries.
5. Battery type of host: it is recommended to use three high-quality alkaline AA batteries
6. Battery type of remote control: Button battery CR2025 3V

Note: when the battery power is low, camera, video and alarm does not work

Configuration

video alarm host	1 pc.
universal bracket	1 pc.
infrared remote controls	2 pc.
charger	1 pc.
USB data line	1 pc.
screws	2 pc.

Statement

All rights reserved.

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